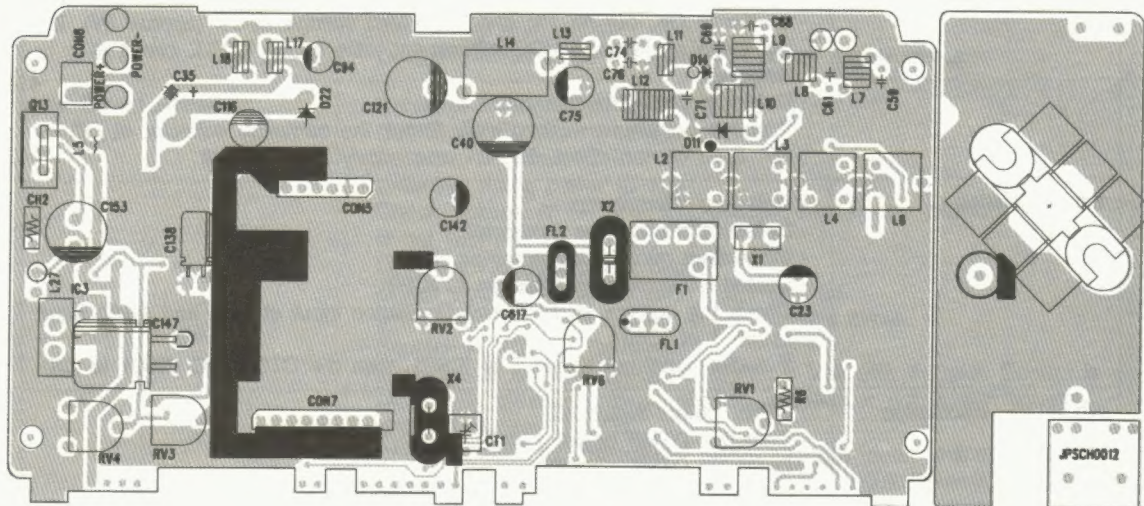
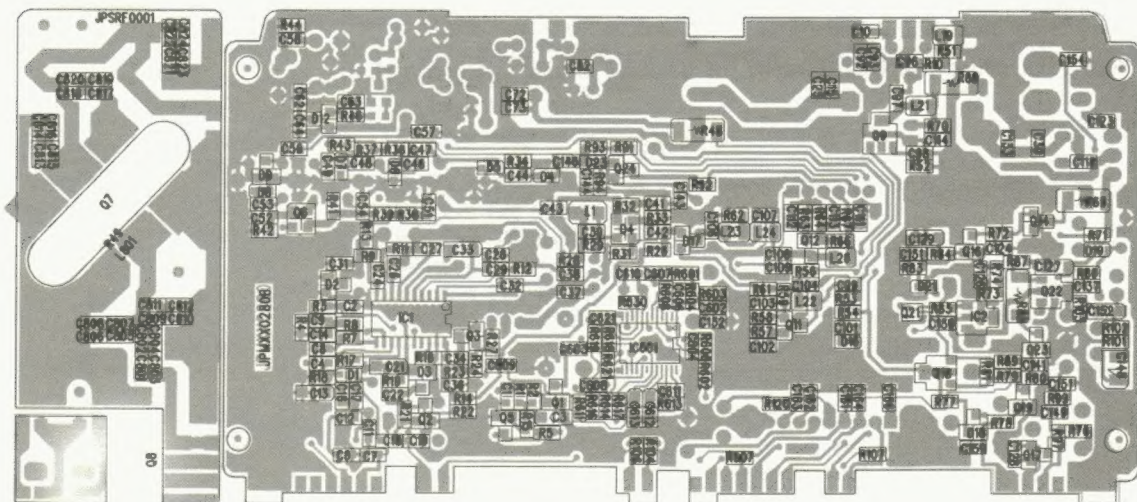


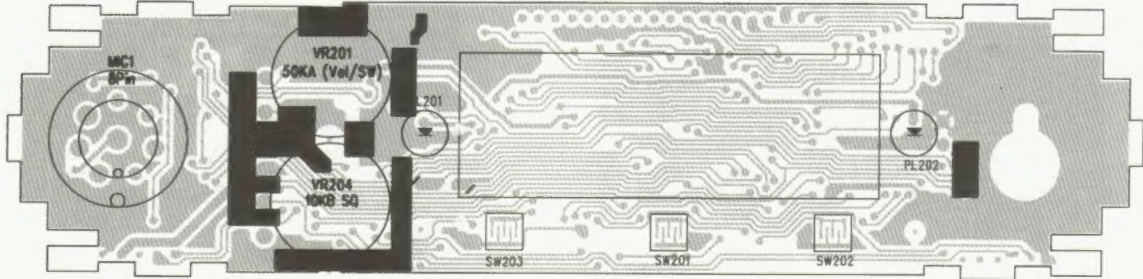
Power Module PCB (Top View)



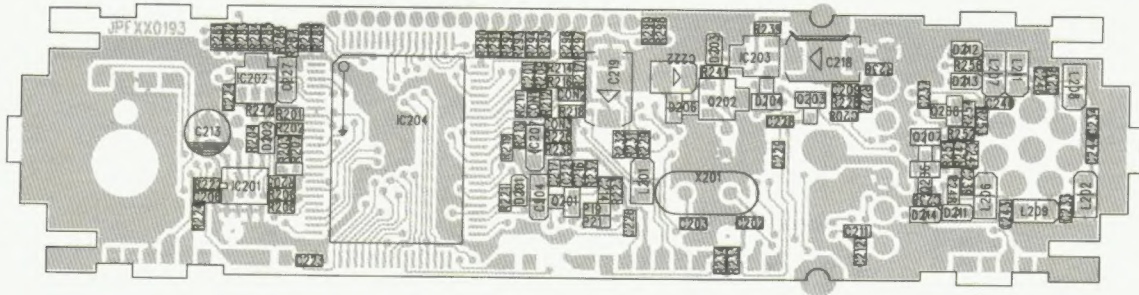
Main PCB (Bottom View)



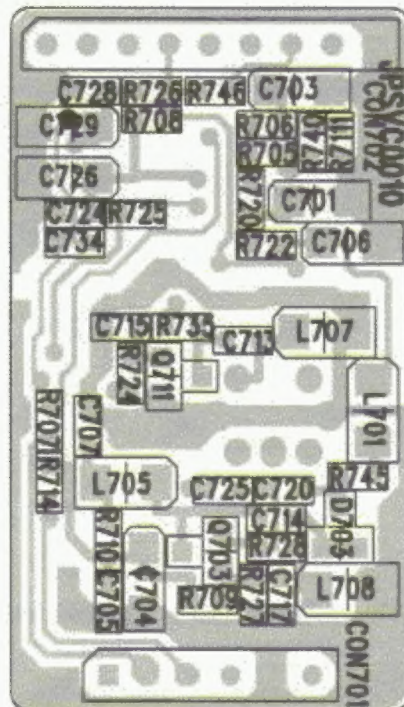
Control PCB (Top View)



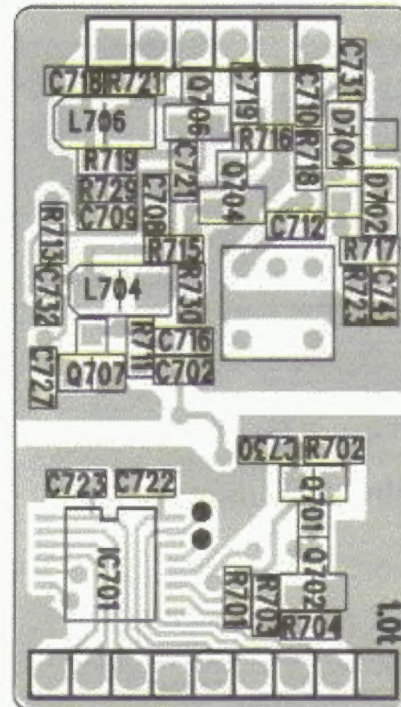
Control PCB (Bottom View)



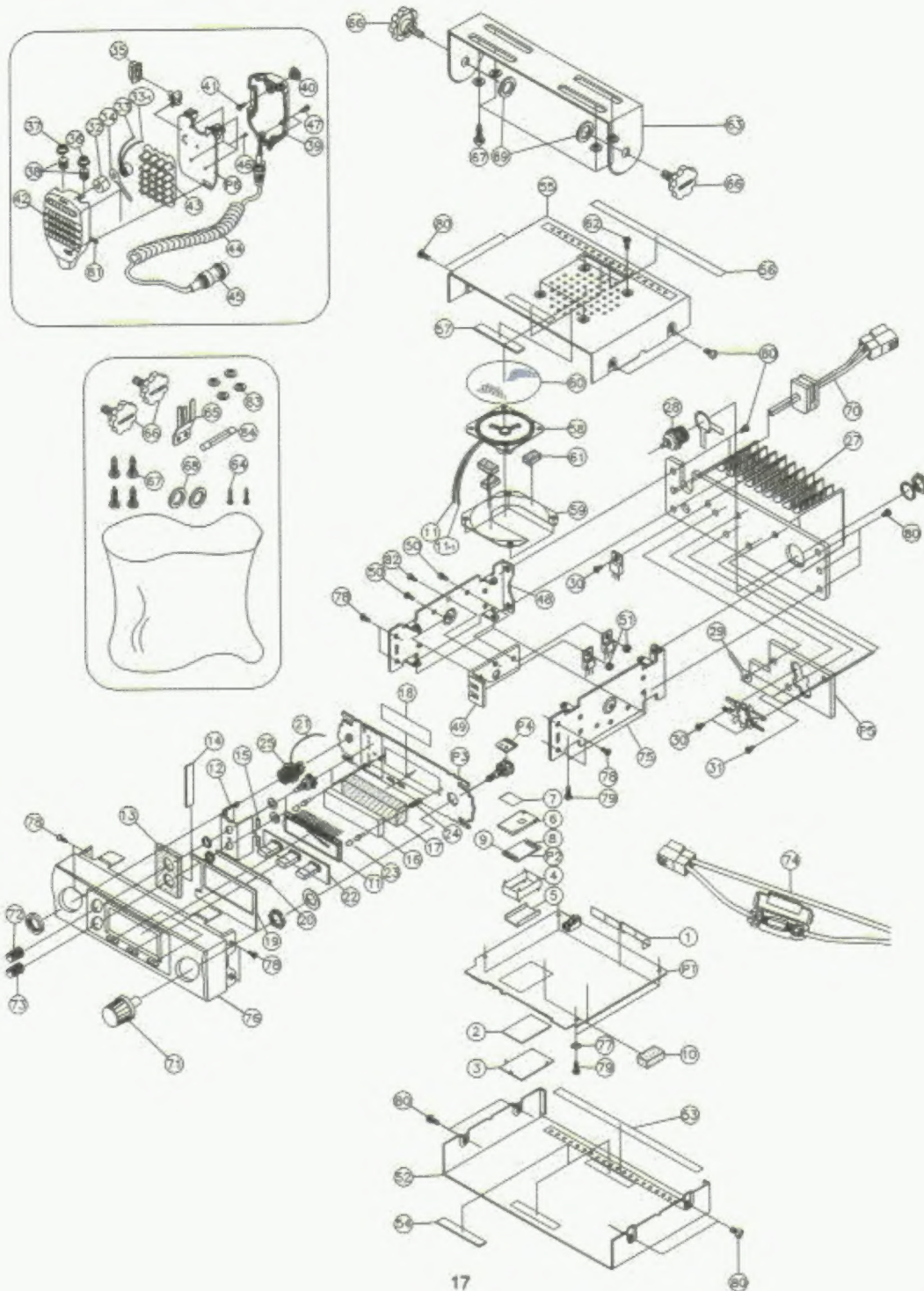
VCO PCB (Top View)



VCO PCB (Bottom View)



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

Ref. No.	Description	Mfr's Part No.
ASS'Y-PCB, MAIN		JPMXX0288
1	ANT Shield Plate, 80x10x0.5t (Copper)	GPHA80X10
2	Back Shield Plate, 39x22x0.5t	GPHB40001
3	Fiber Plate, 21.5x37x0.5t	GPR213705
4	VCO Shield Case, SY-130 (BSBP 0.3t)	GPHS009XX
5	VCO Copper Plate, 27.5x30x0.3t	GPHVXX003
6	VCO Shield Case CAP, SY-130 (BSBP 0.3t)	GPHS010XX
7	VCO Shield Copper Tape	GPHVXX103
8	Flat Wafer, 8P 2mm (F200M 6SS 2)	GWCF062XX
9	Flat Wafer, 9P 2mm (F200M 9SS 2)	GWCF092XX
10	PCB Cushion, 12x8x5t	GOUP12X85
11	General Wire, 0.16/7 2-7 Black 100mm	GWGA3L100
11-1	General Wire, 0.16/7 2-7 Brown 100mm	GWGA3W100
ASS'Y-PCB, FRONT		
12	Volume Bracket, CB-220	GDVCB220X
13	Volume Felt, 26x20	GOFV28X20
14	Cushion(B), 20x3x2.0t	GOUF003XX
15	Fiber Plate B, 20x20x0.5t (PRO-200)	GPR20X20B
SW207	Switch, Channel, YPS2101, 155K(15mm), w/nut, Washer	JSC2101YX
VR201	Volume, Single Round, A50K, w/nut, Washer	JVR050KAV
VR202	Volume, Single Round, B10K, w/nut, Washer	JVR010K8V
T1	LCD, KXN31931DAP	JLCK31931
16	LCD Housing Spray, 48x17 CB-240N	GELH00300
17	LCD Cushion, 46x16x8t (EVA)	GOUL46X16
18	Two Sides Tape, W20mm (1Cm)	GZTT020X1
19	LCD Copper Plate, 57.0x32x0.1t	GPD003XXX
20	Fiber Plate (C), 50x5x0.3t	GPR50X50C
21	General Wire, 0.12/7 2-7 Black 40	GWGE3L40X
22	Rubber Key Pad, Black Si-Rubber	GODK007XX
PL201-202	Pilot Lamp, 3pie 60mA 10V	JL3P10VXX
23	Lamp CAP, 3pie (Yellow)	GOKL3PIEY
24	Lamp Supporter, 3piex7	GOKLS3P7X
25	MIC Socket, SCN168(R-PCB/S2)w/nut Ring	GNS168RPS
ASS'Y-HEAT SINK		JPWXX0268
27	Heat Sink, AE-540	GCHA019XX
Q7	Transistor, 2SC1946A	JT2S1946A
Q8	Transistor, 2SC1971	JT2S1971X
28	ANT Connector CH-239 (SIN) w/termi lug	GNCAC239X
29	Terminal LUG (Clamp), 3pie	GOT03PIEC
30	Pan Head T/S-2S, 3x6(Zn)	GSPT22ZX42
31	Bind Head T/S-2S, 3x6(Zn)	GSBT22ZX06

Ref. No	Description	Mfr's Part No
Ass'y-Microphone		JMHTX252X
MIC301	Condenser MIC, CMT-70 (10pie)	JZDCMT70X
32	Condenser MIC Holder, Rubber (PRO-200)	GCOICONRU
33	General Wire, 0.12/7 2-7 Black 40	GWGE3L40X
33-1	General Wire, 0.12/7 2-7 Brown 40	GWGE3W040
34	Terminal Rug Spray, 3pie 1Side Spray	GOTO3PICY
35	MIC PTT Key Knob, SY-550 Si-Rubber D/Gray	GMKKS550X
36	MIC Down Knob Spray AE-540	GMKDS550B
37	MIC Up Knob Spray, AE-540	GMKUS550B
38	Knob Spring, STS304 0.2t	GRXX001XX
39	MIC Back Cover, AE-540	GMVBH252X
40	MIC Back Button, 0.75g(Black)(UL94HB)	GMT075GBK
41	Pan Head T/S-2S, 3x6(Zn)	GSPT2ZX42
42	MIC Front Cover, AE-540	GMVFH252X
43	DTMF Key Pad, AE-540	GBPK004XX
44	MIC 7C-1S Cord, 300mm S:7mm(URETAN)	JZM7C1SBK
45	MIC Plug N-16-8(P)	GNP168PXX
45	PVC Tube, 4.6pie(1Cm) Black	GZUC4R6L1
45	Empire Tube, 1.5pie(1Cm)	GZUE1R5P1
45	Heat Shrink Tube, 7pie 10mm/Black	GZUS7010L
SW309	Slide Switch GS2206A	JSS2206AX
46	Bind Head T/S-2S, 2x4(Zn)	GSBT2ZZX4
47	Pan Head T/S-2S, T2.3x8(Cotting Black)	GSPT2B204
81	Mike Slide, Knob Spray	GKDH252XY
ASS'Y-Chassis, Side(L)		JCHTX252X
48	Side Chassis(L), SY-540 (EGI 1.0t)	GCCSS540L
Q13	Transistor, SB1292, R/TX Switching	JT2S1292X
IC3	IC, ULN3703ZV (TDA2003), Audio AMP	JILN3703X
49	Heat Sink(B), AE-540 2.0t	GCHA020XX
50	Flat Head Screw, M3x10(Zn)	GSFMOZ134
51	Hex NUT, M3(Zn)	GSNHOZX12
82	Flat Head Screw T/S-2	GSFT2ZX22
ASS'Y-Cover, Bottom		GVTHTX252
52	Bottom Cover Spray, SY-540 Black	GVPS540XY
53	Cover Felt-A, 125x14x0.3t	GOFC125X1
54	Cover Felt, 8x30x0.5t	GOFC8X300
ASS'Y-Cover, Top		GVBHTX252X
55	Top Cover Spray, SY-540 Black	GVMS540XY
56	Cover Felt-A, 125x14x0.3t	GOFC125X1
57	Cover Felt, 8x30x0.5t	GOFC8X300
58	Speaker, ER-05001-01	JOPO5001X
59	Speaker Bracket, SY-130 EGI 1.0t	GDPS130XX
60	Speaker Felt, 53x0.5t	GOF553PXX
61	Cushion, 8x12x3t(EVA)	GOUR8X123
62	Bind Head Screw, M3x6(Black/V3NL6)	GSBMOB303

Ref. No	Description	Mfr's Part No
Installation Kit		GINSHTX252
63	Mounting Bracket Spray, KR-10/KR-30/CB-40/CB404	GDMKR10AY
64	Bind Head T/S-1S, 3x10(Ni)	GSBT1NX20
65	MIC Hanger, All-Mode(Ni)	GMAALLMOD
66	Mounting Screw, M4x8(Black)	GSMS04X8L
67	Truss Head T/S-1, 5x12(Black)	GSTT1BX17
68	Flat Washer, OD15xID5.2x0.5t(Black)	GSWFOB18
69	Rubber Washer, M3(Black)	GSWRO5X15
83	Spring Washer, M3(Black)	GSWSOBX19
84	Fuse, 250V, 10A(6plex30L)	JZF250V17
74	DC Power Cord(B), HTX-10 Female (10A Fuse)	GWPHTX10X
Parts Individual		
70	DC Power Cord(A), AE-540 Male	GWPHTX252
71	Channel Knob Spray, KR-40N (Black)	GKCKR40NY
72	Volume Knob Spray, CB-220N (Black)	GKVC220NY
73	Squeech Knob Spray, CB0220N (Black)	GKVC220NY
75	Side Chassis(R), SY-540 (EQI 1.0t)	GCCSS540R
76	Panel, Front Bezel Spray, AE-540 Black	GAFO9303B
P1	ASS'Y-PCB, Main	JPMXX0268
P2	ASS'Y-PCB, VCO	JPSVC0008
P3	ASS'Y-PCB, Front	JPFXX0181
P4	ASS'Y-PCB, Channel	JPDCX0120
P5	ASS'Y-PCB, Power Module	JPMPX0268
P6	ASS'Y-PCB, Microphone	JPSMA0006
Hardware Kit		GHARHTX252
77	Tooth Washer M3(ZNW)	GSWT0Z001
78	Flat Head Screw M2, 6x5(Zn)	GSFMOZX01
79	Pan Head Screw M2, 6x6(Zn)	GSPMOZX14
80	Tap Tight Screw M3x6(Black)	GSABBO302

ELECTRICAL PARTS LIST

Ref. No	Description	Mfr's Part No.
P1	ASSY-PCB, MAIN	JPMXX0268
Coils		
L1	Inductor, Chip, 10uH (LEM2520)	JBII10XCX
L2-4	IFT, ST110-134, 7.3mm	JAST1101X
L5	Spring, L001 (0.6x4.0x29.5t)	JBISL001X
L6	IFT, ST110-134, 7.3mm	JAST1101X
L7-10	Spring, OKA45E (0.8x3.0x4.5t)	JBIS08035
L11	Spring, 1.5T (0.6x3.0x1.5t)	JBISR6315
L12	Spring, OKA950D (0.6x3.0x9.5t)	JBIS08031
L13	Spring, 3.5T (0.6x3.0x3.5t)	JBISR6335
L14	Coil, Noise Filter (NF612)	JBFN812XX
L18	Spring, 2.5T (0.6x3.0x2.5t)	JBISR6325
L17	Spring, 3.5T (0.6x3.0x3.5t)	JBISR6335
L19	Inductor, Chip, 1uH (LEM2520)	JBII1UCAX
L21	Inductor, Chip, 47uH (LEM2520)	JBII47NHX
L22	Inductor, Chip, 0.1uH (LEM2520)	JBII1XXX
L23-24	Inductor, Chip, 47uH (LEM2520)	JBII47NHX
L26	Inductor, Chip, Inductor, 0.1uH (LEM2520)	JBII1XXX
L27	Inductor, Chip, 6.8uH (LAL04NA)	JBII6R8UX
Capacitors		
C1-2	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C3	Tantalum, Chip, 1uF, 16V(A)	JCTC01016
C4	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C6-8	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C9	Ceramic(0805), 0.039uF, 50V, B, +/-10%(Chip)	JCC393BJC
C10	Ceramic(0805), 82P, 50V, CH, +/-5%(Chip)	JCC820CJC
C11	Ceramic(0805), 0.1uF, 50V, F, +/-10%(Chip)	JCC104FZC
C12	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C13	Tantalum, Chip, 4.7uF, 16(A)	JCTC4R716
C14	Ceramic(0805), 0.015uF, 50V, B, +/-10%(Chip)	JCC153BKC
C15	Ceramic(0805), 0.1uF, 50V, F, +/-10%(Chip)	JCC104FZC
C16	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C17	Ceramic(0805), 10P, 50V, CH, +/-5%(Chip)	JCC100CCC
C18	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C19	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C20	Ceramic(0805), 0.0022uF, 50V, B, +/-10%(Chip)	JCC223BKC
C21	Tantalum, Chip, 1uF, 16V(A)	JCTC01016
C22	Ceramic(0805), 0.01uF, 50V, B, +/-10%(Chip)	JCC103BKC
C23	Elect, 16V, 4x7, 10uF, +/-20%	JCECO10XX
C24	Ceramic(0805), 22P, 50V, CH, +/-5%(Chip)	JCC220CJC
C25	Ceramic(0805), 220P, 50V, CH, +/-5%(Chip)	JCC221CJC
C26-28	Ceramic(0805), 0.1uF, 50V, F, +/-10%(Chip)	JCC104FZC
C29	Ceramic(0805), 120P, 50V, CH, +/-5%(Chip)	JCC121CJC
C30	Ceramic(0805), 220P, 50V, CH, +/-5%(Chip)	JCC221CJC
C31	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C32	Ceramic(0805), 22P, 50V, CH, +/-5%(Chip)	JCC220CJC

Ref. No.	Description	Mfr's Part No.
C33	Tantalum, Chip, 0.47uF, 25(A)	JCTC47100
C34	Ceramic(0805), 39P, 50V, CH, +/-5%(Chip)	JCC390CJC
C35	Elect, 6800uF, 16V, 18x31.5, +/-20%	JCECJ6800
C36	Ceramic(0805), 0.01uF, 50V, B, +/-10%(Chip)	JCC103BKC
C37	Ceramic(0805), 4P, 50V, CH, +/-0.25pF(Chip)	JCC040CJC
C38	Ceramic(0805), 0.01uF, 50V, B, +/-10%(Chip)	JCC103BKC
C39	Ceramic(0805), 4P, 50V, CH, +/-0.25%(Chip)	JCC040CJC
C40	Elect, 16V, 8x11, 330uF, +/-20%	JCECC330X
C41	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C42	Ceramic(0805), 15P, 50V, CH, +/-5%(Chip)	JCC150CJC
C43	Ceramic(0805), 33P, 50V, CH, +/-5%(Chip)	JCC330CJC
C44	Ceramic(0805), 39P, 50V, CH, +/-5%(Chip)	JCC390CJC
C46	Ceramic(0805), 39P, 50V, CH, +/-5%(Chip)	JCC390CJC
C47-48	Ceramic(0805), 1.5P, 50V, CH, +/-0.25%(Chip)	JCC1R5CCC
C49	Ceramic(0805), 39P, 50V, CH, +/-5%(Chip)	JCC390CJC
C51-52	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C53	Ceramic(0805), 39P, 50V, CH, +/-5%(Chip)	JCC390CJC
C54	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C56	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C57	Ceramic(0805), 22P, 50V, CH, +/-5%(Chip)	JCC220CJC
C58	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C59	Ceramic(0805), 22P, 50V, CH, +/-5%(Disk)	JCC220CJD
C61	Ceramic(0805), 39P, 50V, CH, +/-5%(Disk)	JCC220CJD
C62	Ceramic(0805), 1P, 50V, CH, +/-0.25pF(Chip)	JCC010CJC
C63	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C64	Ceramic(0805), 2P, 50V, CH, +/-0.25%(Chip)	JCC020CCC
C68-69	Ceramic, 39P, 50V, CH, +/-5%(Disk)	JCC390CJD
C71	Ceramic, 30P, 50V, CH, +/-5%(Disk)	JCC300CJD
C72-73	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C74	Ceramic, 0.001uF, 50V, B, +/-5%(Disk)	JCC102BKD
C75	Elect, 50V, 5x11, 10uF, +/-20%	JCEFA10XX
C76	Ceramic, 51P, 50V, CH, +/-5%(Disk)	JCC150CJD
C82	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C92	Ceramic(0805), 220P, 50V, CH, +/-5%(Chip)	JCC221CJC
C93	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C94	Elect, 50V, 5x11, 10uF, +/-20%	JCEFA10XX
C96	Ceramic(0805), 68P, 50V, CH, +/-5%(Chip)	JCC680CJC
C97	Ceramic(0805), 47P, 50V, CH, +/-5%(Chip)	JCC470CJC
C98	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C99	Ceramic(0805), 10P, 50V, CH, +/-5%(Chip)	JCC100CCC
C101	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C102	Ceramic(0805), 0.01uF, 50V, B, +/-10%(Chip)	JCC103BKC
C103	Ceramic(0805), 47P, 50V, CH, +/-5%(Chip)	JCC470CJC
C104	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C106-108	Ceramic(0805), 22P, 50V, CH, +/-5%(Chip)	JCC220CJC
C109	Ceramic(0805), 0.1uF, 50V, F, +/-5%(Chip)	JCC104FZC
C111-112	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C113	Ceramic(0805), 1P, 50V, CK, +/-0.25pF(Chip)	JCC010CJC
C114	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C116	Elect, 16V, 5x7, 47uF, +/-20%	JCECP47XX

Ref. No.	Description	Mfr's Part No.
C118	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C121	Elect, 16V, 10x15, 1000uF, +/-20%	JCECM1000
C122	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C124	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C126	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C127	Tantalum, Chip, 1uF, 16V(A)	JCTC01016
C128	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C129	Tantalum, Chip, 1uF, 16V(A)	JCTC01016
C131-132	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C133	Ceramic(0805), 0.01uF, 50V, F, +/-10%(Chip)	JCC104FZC
C137	Ceramic(0805), 0.01uF, 50V, B, +/-10%(Chip)	JCC103BKC
C138	Elect, 16V, 5x7, 47uF, +/-20%	JCECP47XX
C139	Ceramic(0805), 0.01uF, 50V, B, +/-10%(Chip)	JCC103BKC
C141	Ceramic(0805), 0.01uF, 50V, B, +/-10%(Chip)	JCC103BKC
C142	Elect, 16V, 4x7, 10uF, +/-20%	JCECO10XX
C143-144	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C148	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C147	Elect, 16V, 8x9, 220uF, +/-20%	JCECF220X
C148	Tantalum, Chip, 10uF, 16V(B)	JCTC10016
C149	Ceramic(0805), 0.1uF, 50V, F, +/-10%(Chip)	JCC104FZC
C151	Ceramic(0805), 0.0022uF, 50V, B, +/-10%(Chip)	JCC222CJC
C152	Tantalum, Chip, 1uF, 16V(A)	JCTC01016
C153	Elect, 16V, 8x11, 5, 470uF, +/-20%	JCECD470X
C154	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C159	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C181-184	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C188	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
C602	Ceramic(0805), 0.1uF, 50V, F, +/-10%(Chip)	JCC104FZC
C603	Ceramic(0805), 0.01uF, 50V, B, +/-10%(Chip)	JCC103BKC
C604	Ceramic(0805), 33P, 50V, CH, +/-5%(Chip)	JCC330CJC
C606	Ceramic(0805), 220P, 50V, CH, +/-5%(Chip)	JCC221CJC
C607-608	Ceramic(0805), 0.1uF, 50V, F, +/-10%(Chip)	JCC104FZC
C609	Ceramic(0805), 474P, 25V, F, +80-20%(Chip)	JCC474FZC
C611	Ceramic(0805), 0.0047uF, 50V, B, +/-10%(Chip)	JCC472BJC
C612	Tantalum, Chip, 1uF, 16V(A)	JCTC01016
C613	Tantalum, Chip, 1uF, 16V(A)	JCTC01016
C616	Ceramic(0805), 0.01uF, 50V, B, +/-10%(Chip)	JCC103BKC
C617	Elect, 16V, 4x7, 10uF, +/-20%	JCECO10XX
C621	Ceramic(0805), 0.001uF, 50V, CH, +/-5%(Chip)	JCC102CJC
CT1	Trimmer, 4pie, 10pF	JCR4P10XY
Diodes		
D1	Zener(Chip), DTZ 2.2A	JDBZU2V2C
D2	Zener(Chip), BZX5V1, MTZ5.1B	JDBZX5V1C
D3	Switching(Chip), DA204U	JDDSA204U
D4	Varicap(Chip), 1SV215	JDV1SV215
D5	Switching(Chip), 1SS355	JD1SS355C
D6-8	Varicap(Chip), 1SV215	JDV1SV215
D9	Switching(Chip), DA204U	JDDSA204U
D11	Pin, UM 9401	JDP9401XX

Ref. No.	Description	Mfr's Part No.
D12	Switching(Chip), S226RTK(MMBD1203)	JDS226RTX
D14	Pin, UM 9401	JDP9401XX
D16	Switching(Chip), 1SS355	JD1SS355C
D17	Switching(Chip), DAN235U	JDSDA235U
D18	Switching(Chip), DA204U	JDSDA204U
D19	Switching(Chip), 1SS355	JD1SS355C
D21	Switching(Chip), 1SS355	JD1SS355C
D22	Rectifier, 1N5401, 5402	JD1N5401X
D23	Switching(Chip), 1SS355	JD1SS355C
Transistors		
Q1	(Chip), 2SC2412K, SMT3	JT2S2412K
Q2	(Chip), 2SC4081R(BR), UMT	JT2SC4081
Q3	(Chip), 2SC2059-K, SMT	JT2SC2059
Q4	FET(Chip), 3SK131	JF3SK131V
Q5	(Chip), 2SC2412K, SMT3	JT2S2412K
Q6	FET(Chip), 3SK131	JF3SK131V
Q9	(Chip), 2SC2954, SOT-89	JT2SC2954
Q11-12	(Chip), 2SC3356(R25)	JT2SC3356
Q14	(Chip), 2SC2412K, SMT3	JT2S2412K
Q16	(Chip), 2SA1576R, UMT3	JT2SA1576
Q17	(Chip), KRA107S, SOT-23	JTA107SXX
Q18	(Chip), 2SB1132, MPT3	JT2SB1132
Q19	(Chip), DC114EU, UMT3	JTDT114EU
Q21	(Chip), UMC5NTR, UMT5	JTLMC5TRX
Q22	(Chip), 2SA1797, MPT3	JT2S1797X
Q23	(Chip), 2SC4081R(BR), UMT3	JT2SC4081
Q24	FET(Chip), 2SK880GR	JF2SK880G
Filter		
F1	Ceramic, LTW33-455F	JGCL455XX
FL1-L2	Crystal, 21F15B(21.4MHz)	JGX21F15B
Integrated Circuits		
IC1	IC(Chip), TK10487MTL, FM IF Detector	JITK10487
IC2	IC(Chip), KIA7808F, Regulator	JII78L08F
IC601	IC(Chip), AK2345, CTCSS Encoder/Decoder	JIA2345XX
Resistors		
R1	Thick Film Chip(0805), 1 Kohm, 1/8W, +/-5%	JRC001KCX
R2	Thick Film Chip(0805), 10 Kohm, 1/8W, +/-5%	JRC010KCX
R3	Thick Film Chip(0805), 1 Kohm, 1/8W, +/-5%	JRC001KCX
R4	Thick Film Chip(0805), 22 Kohm, 1/8W, +/-5%	JRC022KCX
R5	Thick Film Chip(0805), 47 Kohm, 1/8W, +/-5%	JRC047KCX
R6	Thermistor, 2 Kohm	JRC002KCX
R7	Thick Film Chip(0805), 10 Kohm, 1/8W, +/-5%	JRC010KCX
R8	Thick Film Chip(0805), 22 Kohm, 1/8W, +/-5%	JRC022KCX
R9	Thick Film Chip(0805), 2.2 Kohm, 1/8W, +/-5%	JRC2R2KCX
R10	Thick Film Chip(0805), 220 Kohm, 1/8W, +/-5%	JRC220HCX
R11	Thick Film Chip(0805), 1 Kohm, 1/8W, +/-5%	JRC001KCX

Ref. No.	Description	Mfr's Part No.
D12	Switching(Chip), S226RTK(MMBD1203)	JDS226RTX
D14	Pin, UM 9401	JDP9401XX
D16	Switching(Chip), 1SS355	JD1SS355C
D17	Switching(Chip), DAN235U	JDSDA235U
D18	Switching(Chip), DA204U	JDSDA204U
D19	Switching(Chip), 1SS355	JD1SS355C
D21	Switching(Chip), 1SS355	JD1SS355C
D22	Rectifier, 1N5401, 5402	JD1N5401X
D23	Switching(Chip), 1SS355	JD1SS355C
Transistors		
Q1	(Chip), 2SC2412K, SMT3	JT2S2412K
Q2	(Chip), 2SC4081R(BR), UMT	JT2SC4081
Q3	(Chip), 2SC2059-K, SMT	JT2SC2059
Q4	FET(Chip), 3SK131	JF3SK131V
Q5	(Chip), 2SC2412K, SMT3	JT2S2412K
Q6	FET(Chip), 3SK131	JF3SK131V
Q9	(Chip), 2SC2954, SOT-89	JT2SC2954
Q11-12	(Chip), 2SC3356(R25)	JT2SC3356
Q14	(Chip), 2SC2412K, SMT3	JT2S2412K
Q16	(Chip), 2SA1576R, UMT3	JT2SA1576
Q17	(Chip), KRA107S, SOT-23	JTA107SXX
Q18	(Chip), 2SB1132, MPT3	JT2SB1132
Q19	(Chip), DC114EU, UMT3	JTDT114EU
Q21	(Chip), UMC5NTR, UMT5	JTLMC5TRX
Q22	(Chip), 2SA1797, MPT3	JT2S1797X
Q23	(Chip), 2SC4081R(BR), UMT3	JT2SC4081
Q24	FET(Chip), 2SK880GR	JF2SK880G
Filter		
F1	Ceramic, LTW33-455F	JGCL455XX
FL1-L2	Crystal, 21F15B(21.4MHz)	JGX21F15B
Integrated Circuits		
IC1	IC(Chip), TK10487MTL, FM IF Detector	JITK10487
IC2	IC(Chip), KIA7808F, Regulator	JII78L08F
IC601	IC(Chip), AK2345, CTCSS Encoder/Decoder	JIA2345XX
Resistors		
R1	Thick Film Chip(0805), 1 Kohm, 1/8W, +/-5%	JRC001KCX
R2	Thick Film Chip(0805), 10 Kohm, 1/8W, +/-5%	JRC010KCX
R3	Thick Film Chip(0805), 1 Kohm, 1/8W, +/-5%	JRC001KCX
R4	Thick Film Chip(0805), 22 Kohm, 1/8W, +/-5%	JRC022KCX
R5	Thick Film Chip(0805), 47 Kohm, 1/8W, +/-5%	JRC047KCX
R6	Thermistor, 2 Kohm	JRC002KCX
R7	Thick Film Chip(0805), 10 Kohm, 1/8W, +/-5%	JRC010KCX
R8	Thick Film Chip(0805), 22 Kohm, 1/8W, +/-5%	JRC022KCX
R9	Thick Film Chip(0805), 2.2 Kohm, 1/8W, +/-5%	JRC2R2KCX
R10	Thick Film Chip(0805), 220 Kohm, 1/8W, +/-5%	JRC220HCX
R11	Thick Film Chip(0805), 1 Kohm, 1/8W, +/-5%	JRC001KCX